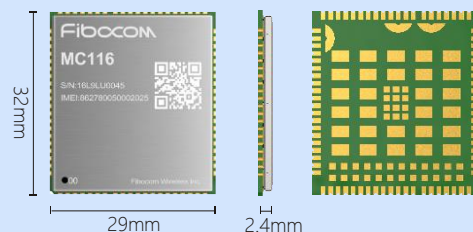# Fibocom MC116-NA

LTE Cat1 wireless communication module specially designed for IoT applications

Key Benefits

- Support multi network frequency bands and rich network protocols
- Provide IoT industry reference design and customer development support
- High performance LTE Cat1 IoT module and ultra-high cost performance

LTE Cat1

LCC+LGA Package

Compatible design

Extended AT Command

MC116-NA is a LTE Cat1 wireless communication module adopting LCC+LGA form factor, with the size of 32mm*29mm* 2.4mm. It is pin-to-pin compatible with Fibocom's LTE Cat 4 module NL668, which is convenient for customers to migrate between different technologies at the lowest cost. MC116-NA supports LTE FDD network, covering the frequency bands of operators in North American. With a rich extension of interfaces including USB/ UART/ ADC/ PCM/ SGMII, the LTE Cat 1 module MC116-NA enables much flexibility and ease of integration to meet various application demands of the IoT industry.
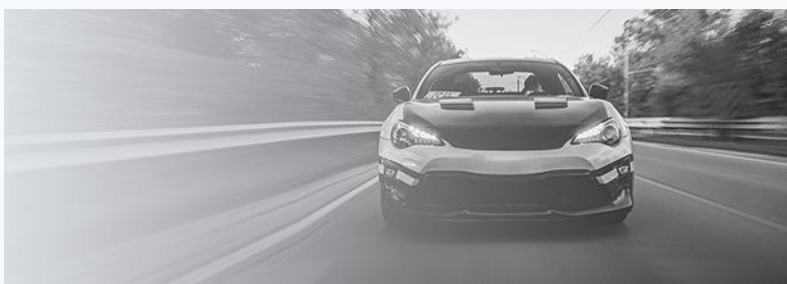
The Fibocom MC116-NA is perfectly suitable for low and mid-speed IoT scenarios, such as telematics, security, ATM/POS, C-V2X, etc., providing customers with reliable connectivity and robust security.

Fibocom

LTE Cat 1	MC116-NA-00
Region	North American
Basic Features	
Package	LCC+LGA
Dimension (mm)	32×29×2.4
LTE FDD	B2/4/5/12/13/17/66
LTE TDD	NA
WCDMA	NA
GSM/GPRS/EDGE	NA
Power Supply	3.3V - 4.3V (Typical 3.8V)
Operating Temp.	-30°C - +75°C
Expansion Temp.	-40°C - +85°C
Data Transmission	
LTE FDD	10Mbps DL/5Mbps UL
LTE TDD	NA
UMTS	NA
HSPA/HSPA+	NA
EDGE	NA
GPRS	NA
Functions	
WiFi-Scan	NA
BLE	NA
OpenCPU	NA
FOTA	DFOTA
OS Drivers	Linux/Windows/Android
GNSS	NA
TTS	NA
SMS	●
Audio	NA
Protocols	TCP/UDP(S)/HTTP(S)/FTP(S)/IPV4/IPV6/SSL/MQTT/LWM2M
Interfaces	
SIM	x1, 1.8V/3.0V
USB	x1, USB2.0
UART	●
ADC	x2
PCM	●
SGMII	●
GPIO	●
Certification	
Regulation	RoHS/FCC/IC
Operator	AT&T/VZW
Industry	GCF/PTCRB

* = planning /under development   ● = support